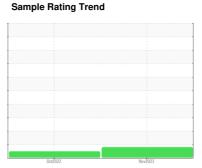


OIL ANALYSIS REPORT

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WEAR



Machine Id 8116 Component Diesel Engine

DIESEL ENGINE OIL SAE 10W30 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. No other contaminants were detected in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

			0ct2022	Nov2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		IL06073719	IL05683443	,
Sample Date		Client Info		07 Nov 2023	06 Oct 2022	
Machine Age	mls	Client Info		07 1404 2023	0	
Oil Age	mls	Client Info		0	0	
Oil Changed	11113	Client Info		N/A	N/A	
Sample Status		Chorte triio		ABNORMAL	NORMAL	
CONTAMINATION	ı	method	limit/base	current	history1	history2
Fuel	•	WC Method	>5	<1.0	0.8	
Water		WC Method		VEG	NEG	
Glycol		WC Method	>0.2	NEG	NEG	
-		WO MEMOU		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	<u> </u>	51	
Chromium	ppm	ASTM D5185m	>20	2	<1	
Nickel	ppm	ASTM D5185m	>4	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	0	<1	
Aluminum	ppm	ASTM D5185m	>20	35	15	
Lead	ppm	ASTM D5185m	>40	<1	<1	
Copper	ppm	ASTM D5185m		3	1	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	38	29	
Barium	ppm	ASTM D5185m	10	0	0	
Molybdenum	ppm	ASTM D5185m	100	75	62	
Manganese	ppm	ASTM D5185m		1	<1	
Magnesium	ppm	ASTM D5185m	450	470	495	
Calcium	ppm	ASTM D5185m		1809	1726	
Phosphorus	ppm	ASTM D5185m	1150	771	765	
Zinc	ppm	ASTM D5185m		1090	954	
Sulfur	ppm	ASTM D5185m	4250	2544	2682	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	11	8	
Sodium	ppm	ASTM D5185m		<1	0	
Potassium	ppm	ASTM D5185m	>20	72	14	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.3	0.8	
Nitration	Abs/cm	*ASTM D7624	>20	16.9	14.1	
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.7	25.8	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	31.2	26.8	
Base Number (BN)	mg KOH/g	ASTM D2896		6.5	8.4	
2000 (10111DOT (DTV)	.ng .toring	. 10 1111 D2000	5.0	0.0	0.1	



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number Unique Number Test Package : FLEET

: IL06073719 : 06073719 : 10850396

Recieved Diagnosed Diagnostician

: 30 Jan 2024 : 31 Jan 2024 : Don Baldridge 4571 NORTH BUFORD HWY NORCROSS, GA US 30071-2808 Contact: RICK MARKS

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (770)300-0614

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